

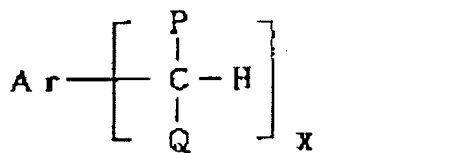
# PRODUCTION OF ARYLALKYL HYDROPEROXIDE

**Patent number:** JP9067337  
**Publication date:** 1997-03-11  
**Inventor:** KAGAYAMA AKISHI; FUJITA TERUNORI  
**Applicant:** MITSUI PETROCHEM IND LTD  
**Classification:**  
 - international: C07C409/08; B01J31/20; C07C407/00; C07C409/10; C07C409/12  
 - european:  
**Application number:** JP19950222360 19950830  
**Priority number(s):**

## Abstract of JP9067337

**PROBLEM TO BE SOLVED:** To obtain the subject compound corresponding to the original compound in high selectivity and concentration by using an oxo metal compound as catalyst.

**SOLUTION:** Using (A) an oxo metal compound as catalyst, (B) an arylalkyl hydrocarbon of formula (P and Q are each H or an alkyl; (n) is 1-3; Ar is an n-valent aromatic hydrocarbon) (e.g. cumene) is oxidized with an oxygen-contg. gas into the corresponding arylalkyl hydroperoxide. The component A is a compound of formula II (M is a metal; L is a ligand; (n) is 1-8), pref. an oxyvanadium compound, oxytitanium compound or oxyzirconium compound's salt or complex, for example, titanium (II) dioxide acetylacetonate.



Data supplied from the esp@cenet database - Patent Abstracts of Japan